

Author Index

- Amory, D.E. 313
Andrade, J.D. 85
- Baert, L. 9
Beg, H.S. 299
Blank, M. 355
Busscher, H.J. 331, 345
- Caldwell, K. 165
Chang, G. 215
Cheng, P. 391
Cohen, R. 49
- Dickinson, E. 191
DiCosmo, F. 255
Drumm, B. 289
Duncan-Hewitt, W.C. 391
Dynarowicz, P. 39
- Eisen, A. 299
Emmett, S. 139
Exerowa, E. 49
- Facchini, P.J. 255
Foldvari, M. 375
- Gehr, P. 271
Gill, R.I.S. 23
Gölander, C.G. 165
Green, F. 271
Grieser, F. 97
- Hawthorn, L.-A. 299
Healy, T.W. 97
Herrington, T.M. 23
Hinke, E. 365
Hlady, V. 85
Hsu, W.P. 97
Hu, J.S. 71
- Jin, R. 71
Jones, A. 113
- Kanungo, S.B. 173
Kolarov, T. 49
Kratohvil, J.P. 97
- La Mesa, C. 59
- Léonard, A.J. 313
Lin, Y.-S. 165
Lubetkin, S.D. 139
- Mahapatra, D.M. 173
Malejka, F. 365
Marechal, M. 345
McIver, D.J.L. 271
Mezei, M. 375
Miller, J.D. 71
Moy, E. 215
Mozes, N. 313
- Neumann, A.W. 215, 255, 289, 391
Noninski, V.C. 205
- Policova, Z. 289, 391
Pratt, I.H. 345
- Quirynen, M. 345
- Ranieri, G.A. 59
Reid, G. 299
Rouxhet, P.G. 313, 345
- Schakenraad, J.M. 331
Schürch, S. 271
Sherman, P.M. 289
Staude, E. 365
Stewart, M.G. 215
- Tegehall, P.-E. 155
Terenzi, M. 59
Tschapek, M. 1
- Van der Meeren, P. 9
Van der Mei, H.C. 345
Van Steenberghe, D. 345
Vanderdeelen, J. 9
Vargha-Butler, E.I. 375, 391
Vincent, B. 113, 139
Vogler, E.A. 233
- Wallace, J.A. 271
Warr, G.G. 97
Wasowski, C. 1
Weerkamp, A.H. 345
- Zingg, W. 215

Subject Index

- Adherence, 289
Adhesion, 271, 299, 313
Adsorbed films at water/air interface, 39
Adsorption, 9
Aggregation, 355
 number, 97
Akaganeite, 173
Amorphous hydrous iron oxide, 173
1-Anilinonaphthalene-8-sulfonate, 85
Axisymmetric drop shape analysis, 391
- Bacteria, 313
Bacterial adhesion, 345
Biofilm, 345
Biomaterials, 331
Biosurfactant, 233
Black foam films, 49
Bovine serum albumin, 85
- Catharanthus roseus*, 255
Cell adhesion, 233
Cell layers, 391
Cell spreading, 215, 331
Cell surface adhesion, 255
Cell surface potential, 255
Cell surface tension, 255
Charged membranes, 365
Charge-potential relationship, 49
Chemical activation, 155
Chemisorption, 71
Coalescence, 191
Coarse disperse material, 1
Collector adsorption density, 71
Colloidal titanium phosphate, 155
Colloids,
 food, 191
Contact angles, 391
- Depletion flocculation, 113
Dichlorodimethylsilane, 165
Diffuse double electric layer potential, 49
Diffusion potential, 1
Disjoining pressure, 49
DLVO theory, 49, 233
Drug delivery, 375
- Econazole nitrate, 375
Effective dipole moments, 39
- Electrophoretic mobility, 9
Emulsions,
 food, 191
Entropy of mixing, 59
Equilibrium thickness, 49
Erythrocytes, 215
Escherichia coli, 289, 299
- Fibrinogen, 165
Fimbriae, 289
Flocculation, 23, 191, 313
Fluorite/oleate, 71
Foam films, 49
Free energy of adhesion, 215
Free polymer flocculation, 113
- Goethite, 9
Grafted chains, 113
Growth of ordered sediments, 139
- Heats of adsorption, 71
Hemoglobin, 355
Hill coefficient, 355
Hydrophobic silica particles, 139
- IgG, 165
Interference reflection microscopy, 271
Intestine, 289
Ionic strength, 255
Ionic surfactants, 365
Isoelectric point, 1, 173
- Kaolin, 23
- Lactobacillus acidophilus*, 299
Langmuir-Blodgett films, 271
Light scattering, 97
Line tension, 205
Liposome composition, 375
Liposomes, 375
Liquid crystals, 59
Lysozyme, 165
- Magnetometry, 271
Membrane proteins, 355
Micellar solutions, 59
Micelle, 97
Microcalorimetry, 71

- Monodispersed silica particles, 139
- Monomer, 97
- Motility, 271
- Nonionic surfactants, 49
- Nucleation and growth, 205
- Ordered sediments, 139
- Oxide/solution interface,
 - triple layer model, 173
- Particle size, 23
- Pellicle, 345
- Phase diagram, 59
- Phase formation, 205
- Phosphate, 9
- Phospholids, 9
- Pili, 289
- Plant cells, 255
- Plaque, 345
- Point of zero charge, 173
- Polyacrylamide, 23
- Polydispersity, 97
- Protein adsorption, 85, 165, 331
- Protein film, 191
- proteins, 355
- RDEC-1, 289
- Reverse osmosis, 365
- Sedimentation volume, 375
- Stable drop, 205
- Staphylococcus epidermidis*, 299
- Streptococci, 345
- Supersturation, 205
- Surface area, 355
- Surface charge, 1, 49, 313, 355
- Surface conditioning, 155
- Surface dissociation and complexation constants, 173
- Surface film, 1
- Surface free energy, 59, 331, 345
- Surface hydrophobicity, 313
- Surface modification, 165
- Surface orientation of n-butanol isomers, 39
- Surface precipitation, 71
- Surface tension, 215, 375
- Surface titration, 85
- Surfactant, 97, 233
- Surfactant/electrolytes interactions, 365
- Terminally anchored polymer, 113
- Thermodynamic model, 215, 233, 255
- Thermodynamics, 59
- Titanium phosphate, 155
- Total internal reflection fluorescence, 85, 165
- Ultrafiltration, 97
- Urinary catheter surfaces, 299
- Van der Waals interactions, 215
- Voltage gated channels, 355
- Wettability gradient, 165
- Wetting properties, 233
- X-ray photoelectron spectroscopy, 313
- Yeast, 313
- Zinc phosphating, 155